

PROCEEDINGS
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TWO NEW AMERICAN ARACHNIDS OF THE ORDER
PEDIPALPIDA.

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The two new pedipalpids described below belong to the family Schizomidae, formerly known as the Schizonotidae, a name not tenable because its type genus, *Schizonotus*, is pre-occupied. The types of the new forms are in the Museum of Comparative Zoology at Cambridge.

Stenochrus, gen. nov.

Anterior division of carapace narrow and high, narrowed toward each end from the middle. Posterior division of carapace depressed, consisting of one piece which is not divided by a median longitudinal suture and presents anteriorly no separate lateral sclerites (mesopeltidia). Flagellum three jointed.

Genotype.—*S. portoricensis*, sp. nov.

Differing from *Schizomus* in its narrow, high carapace, the absence of mesopeltidia, and the three jointed flagellum. Differs from *Trithyreus* in the absence of mesopeltidia and in lacking a median suture in the posterior division of carapace.

Stenochrus portoricensis, sp. nov.

Body somewhat dusky fulvous, sometimes of a slightly reddish cast; terminal joints of abdomen and distal joints of legs more yellow.

With no trace of eye-spots. Anterior sternum about three-fourths as wide as long. Second thoracic tergite without trace of a median longitudinal suture and with no pale line in its place.

Trochanter of palpi with anterior inferior angle not produced, rectangular, sometimes a little less and sometimes a little more; convex ventral surface oblique, the ectal edge of the oblique surface fringed with setae, the mesal edge with setae and at its distal end with the usual short spine. Femur of palpi not quite twice as long as deep; its inferior edge very obtusely angled, the apex of angle about equidistant from ends of upper side; without processes. Patella with dorsal margin two and a half times as long as the depth; unarmed. Claw half the length of the tarsus (upper margin).

Coxa of first legs ending distinctly caudad of distal end of endite. Femur shorter than patella (about as 22 : 25) and a little longer than the tibia

(about as 22 : 21). Tarsus and metatarsus together about equal in length to the tibia. Metatarsus shorter than tarsus. Tarsus and metatarsus together ten times longer than thickness.

In the fourth legs the femur is very nearly 2.7 times longer than deep; edge of proximal end straight, vertical or nearly so, not extending back over trochanter, the upper angle rounded.

Last three segments of abdomen telescoped.

Flagellum, in the female, five times as long as thick; three-jointed, the terminal joint two-thirds of the total length.

Length of body from base of chelicerae to base of flagellum, 3 mm.; of palpi, 1.75 mm.; of first legs, 4.5 mm.; of fourth legs, 3.56 mm.

Locality.—Porto Rico: Coamo Springs. Several females taken in Nov., 1899.

Said in a field note to have been taken "on a very wet bank in deep shade. Very active."

Schizomus guatemalensis, sp. nov.

Carapace and legs fulvous, a little smoky, the palpi distally more reddish. Dorsum of abdomen somewhat darker, more dusky, than carapace. Sternum and coxae beneath more yellow.

Head with no trace of eye-spots. Cephalic sternum very nearly as wide as long. The second division of carapace has no indication of a median longitudinal line.

Palpi less than half the length of the body. Trochanter of palpus deep; its anterior inferior angle not produced, a little obtuse. Femur nearly twice as long as deep (about as 1.9 : 1); its inferior margin convex and without process. The patella with dorsal margin about two and a half times as long as the depth, its inferior margin nearer twice the depth; unarmed claw half as long as the upper margin of the tarsus. Tarsus and metatarsus together about 10.5 times longer than thick and metatarsus about five-sixths as long as the tarsus.

Coxa of first legs terminating caudad of outer angle of endite. Femur shorter than patella, longer than tibia. Tarsus and metatarsus together clearly shorter than the tibia (about as 4:5). Metatarsus shorter than tarsus but longer than tarsus without its distal article; distal article of tarsus half as long as the second metatarsal joint.

In the fourth legs the femur is three times as long as deep, with its proximo-dorsal angle distally rounded, not at all projecting proximad over the trochanter.

Last three joints of abdomen moderately telescoped.

Flagellum about four and a half times longer than thick; maximum setae nearly two-thirds as long as flagellum.

Length of body from base of chelicerae to base of flagellum, 4.56 mm.; of palpi, 1.92 mm.; of first legs, 5.88 mm.; of fourth legs, 4.56 mm.

Locality.—Guatemala: San Rafael. One female.

This species suggests *simonis* Hansen and Sorenson of Venezuela, but in the female may be distinguished by the shorter and stouter flagellum, in having the metatarsus and tarsus much longer in proportion to the tibia, in lacking "eye-spots," in the shorter palpi, etc.